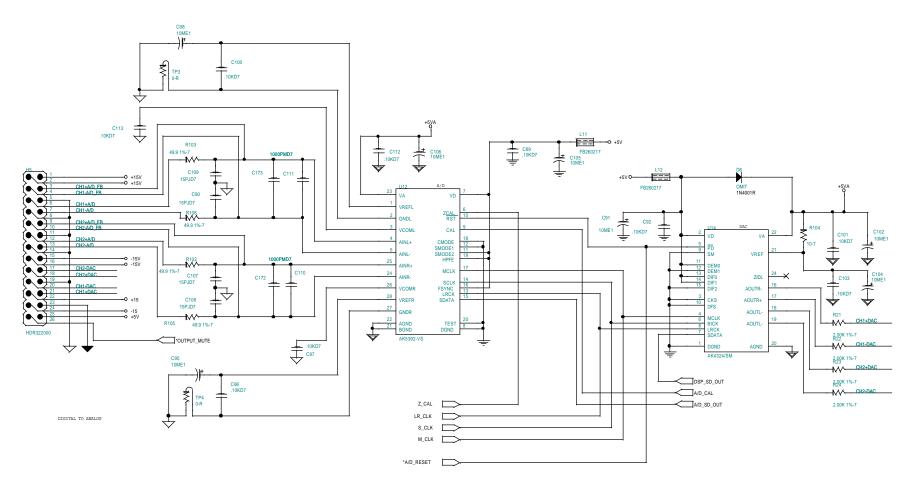
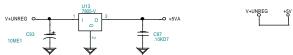
			•	т 1			• •	
REV	DESCRIPTION	ECN#	DATE		REV	DESCRIPTION	ECN#	DATE
A0	REMLEASE FOR PRODUCTION		2.16.98					
A1	CHANGED EPROM U27 OMIT R26 INSTALL R27 CHANGE CPU TO 20 MHz		2.20.98		·			
В0	MOVED TOOLING HOLE TO MATCH CHASSIS FOR MOUNTING.	2074	3.9.98					
B1	ADDED 2 10K RESISTORS 52-1819 R30 R31, 2 .1uF CAPS 62-0660 C28 C29, 1 4.7K RESISTOR 50-0015 R32, AND 1 150K THERMISTOR 50-3500 R29.							
B2	CHANGED SOFTWARE VERSION FROM VI.00 TO VI.11.		4.1.98					
В3	OMIT R136 AND R137 REMOVE R30, R31, C28, C29 THEY NO LONGER NEED TO BE TACKED ON THE PCB.		4.28.98					
B4	CHANGED SOME PARTS ON THE DIGITAL I/O ASSY 05533584 AND CHANGING THE EEPROM VERSION FROM VI.11 TO VI.12	2215	5.12.98					
B5	OMIT ISE, REP, REJ, DJ, DH, DS. INSTALL A O GRM RESISTER AT R9. THIS ECM MUST BE ACCOMPANIED BY ECN# 2225 THAT CHANGES THE DISPLAY FROM REW B REW C.	2226	5.19.98					
В6	ADDED 70-0001 D6, REMOVED 72-1423-03, ADDED 72-1463-00	2295	6.15.98					
В7	REMOVED 70-1423-00V1.20, ADDED 70-1423-001.21	2299	6.19.98		,			
В8	CHANGE UI2 TO AK5392-VS, C88 TO 0 OHM RES., OMIT D6	86	7-29-98					
В9	CHANGES TO ENABLE OSCILATORS TO RIN CONTINUOUSLY. (SHEET 2)	101	8-18-98					
C0	ADD ALL REV B ECN CHANGES AND RELEASE FOR PRODUCTION		9-23-98					
C1	REV B DIGITAL IO IS NOT COMPATIBLE WITH THE REV C DIGITAL BOARD.	262	12-7-98					
C2	CONTRAST CONTROL CIRCUITDOES NOT HAVE ENOUGH RANGE FOR SOME LED'S CHAURED RI FORM 1.00K TO 470 ORNS	286	12-16-98					
				1	•			1
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LINK | 055375C2.001 | 055375C2.002 | 055375C2.003 | 055375C2.004 | 055375C2.005

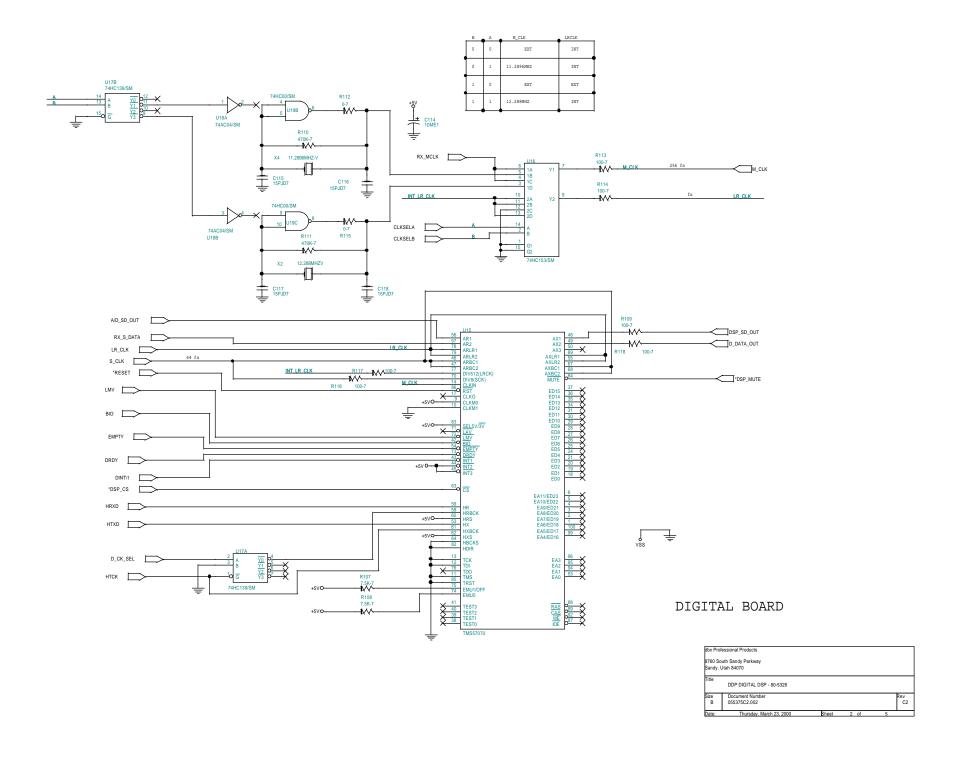
dbx Pro	fessional Products				
	outh Sandy Parkway Utah 84070				
Title	dbx DDP DIGITAL BOARD 80-5328				
Size B	Document Number 055375C2.000				Rev C2
Date:	Thursday, March 23, 2000	Sheet	0 of	5	

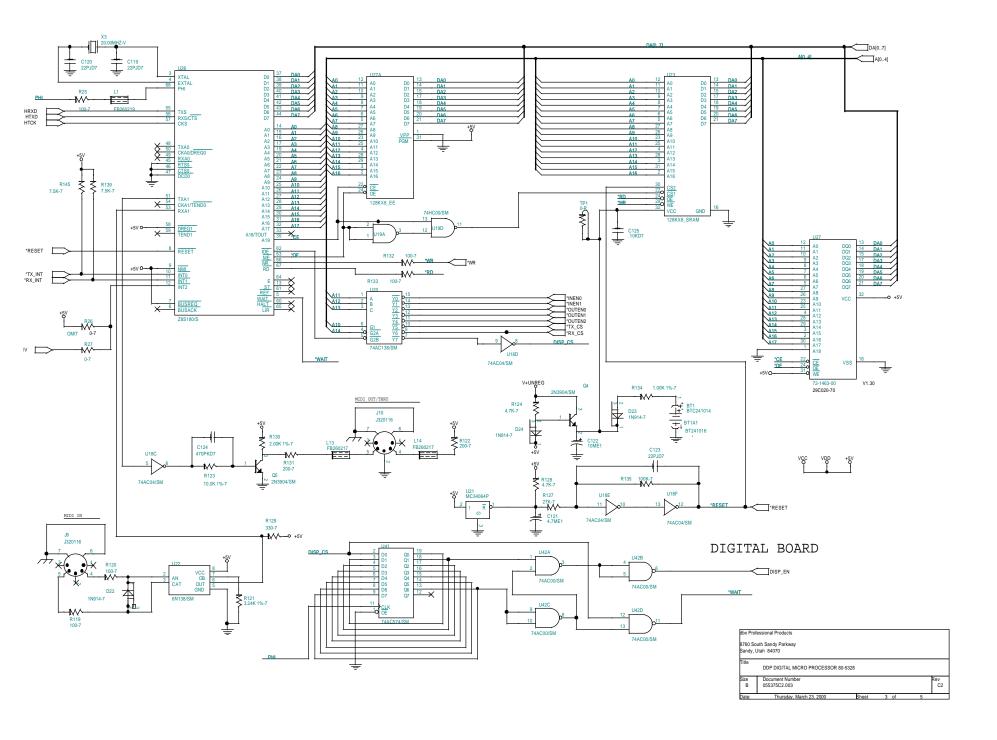


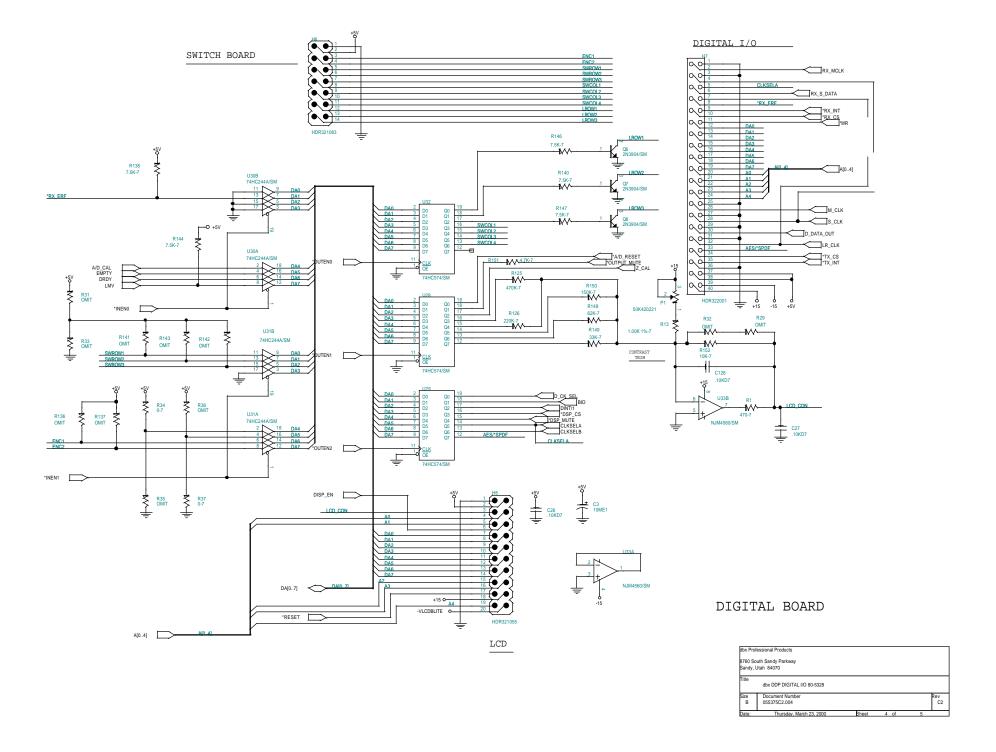


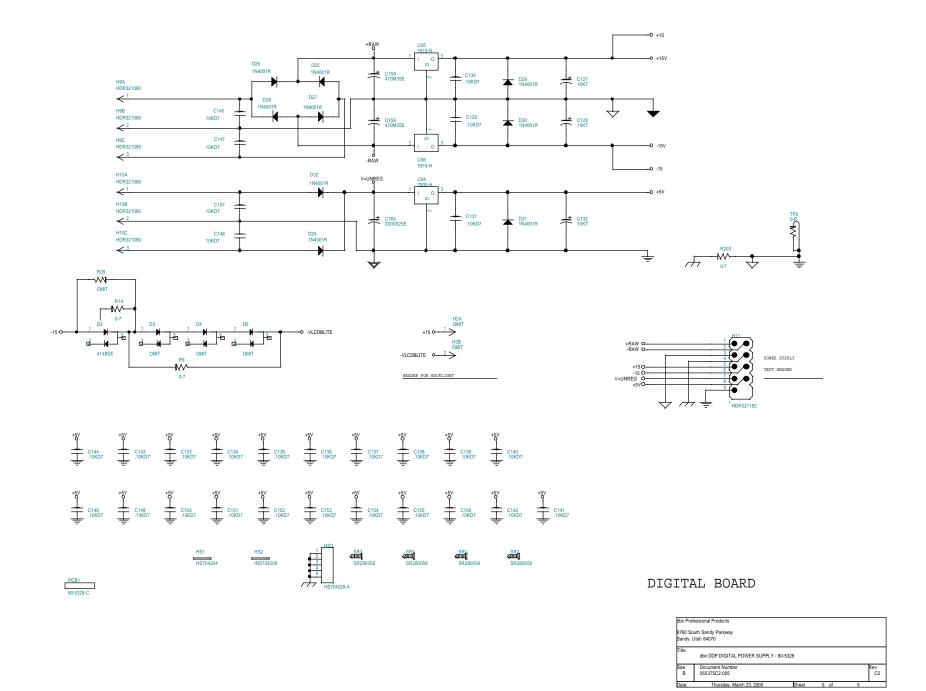
DIGITAL BOARD

dbx Pro	fessional Products				
	outh Sandy Parkway Utah 84070				
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Date:	Thursday, March 23, 2000	Sheet	1 of	5	









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Quan Reference Part SYMAN Description

1	BT1	BTC241014	24-1014	Holde:	r Fo	or 3V	Ba	attery		
1	BT1A1	BT241016	24-1016	3V :	Batt	ery,	Lith	nium, Ev	eready Part	#CR2032
11	C3,C91,C93,C95,C98,C102,	10ME1	60-0049-01	10	uF	Cap	16V	-20/+20%	Elect.,-D	Ammo
	C104,C105,C106,C114,C122									
42	C26,C27,C87,C89,C92,C96,	.10KD7	62-3139	.10	uF	Cap	50V	20%	Cerm, SMT	0805
	C97,C100,C101,C103,C112,									
	C113,C125,C126,C129,C130,									
	C131,C133,C134,C135,C136,									
	C137,C138,C139,C140,C141,									
	C142,C143,C144,C145,C146,									
	C147,C148,C149,C150,C151,									
	C152,C153,C154,C155,C156,									
	C157									
8	C90,C107,C108,C109,C115,	15PJD7	62-3128	15	рF	Cap	50V	5%	Cerm, SMT	0805
	C116,C117,C118									
	C110,C111,C172,C173	1000PMD7	62-3136	1000	_	_	50V		Cerm, SMT	
3	C119,C120,C123	22PJD7	62-3134	22	_	Cap		5%	Cerm, SMT	
1	C121	4.7ME1	60-0048-01	4.7		_			Elect., T	
1	C124	470PKD7	62-3133	470	_	_		10%	Cerm, SMT	
3 2	C127,C128,C132 C158,C159	10KT 470M35E	62-0163 60-0060	10 470		_		10%	Tantalum ' Elect-S	T&R
1	C160	3300S25E	60-0087			_		-20/+20%	Elect-L	
1		4148SE	70-0113	4148S		Diod			FIECC-D	
3	D22,D23,D24	1N914-7	70-0110	1N914					tching 75	Volts PIV, SMT
9	D25,D26,D27,D28,D29,D30,	1N4001R	70-0000	1N400						Volts PIV, RADIAL
-	D31,D32,D33				_				,	
19	H2,D3,D4,D5,D6,R26,U27A,	OMIT	00-0000	This	part	has	beer	omitted		
	R28,R29,R31,R32,R33,R35,									
	R36,R136,R137,R141,R142,									
	R143									
	н5	HDR322000						_	cing, 0.025	-
1		HDR321083						_	cing, 0.025	pins, .375
	Н7	HDR322001).1" spac	_	
1	Н8	HDR321055						_	cing, 0.025	-
	H9,H10	HDR321080						_		sq pins, Locking
1 1		HDR321182	32-1182 70-4204						.23", 0.1"	spacing
1	HS1 HS2	HS704204 INS704209					_	ator, To ator Hea	-	
1	HS3	HS704228-A		Heats			_		CSIIIK	
2	J9,J10	J320116	32-0116					_	PCB mount	
	L1	FB260219	26-0219				_		OMhz, SMT O	805
	L11,L12,L13,L14	FB260217	26-0217						Mhz, SMT 08	
	MW1,MW2	MODWIRE	00-0000	Mod W		,			,	
1	P1	50K420221	42-0221	50	K Tr	im P	ot,	Vertical	Mount,	AMMO
1	PCB1	80-5328-C	80-5328-C	DBX D	DP I	IGIT	AL BO	ARD WITH	DIGITAL IO	, RAW
5	Q4,Q5,Q6,Q7,Q8	2N3904/SM	70-1058	2N390	4 NE	N,	Trans	sistor, S	OT23	
1	R1	470-7	50-1518	470	Ohn	n Res	istor	5% 1/	10 Watt TF,	SMT 0805
8	R9,R14,R27,R34,R37,R112,	0-7	50-1531	0	Ohn	n Res	istor	5% 1/	10 Watt TF,	SMT 0805
	R115,R203									
	R13,R134	1.00K 1%-7							10 Watt TF,	
	R21,R22,R23,R24,R130	2.00K 1%-7		2.00					10 Watt TF,	
ΤŢ	R25,R109,R113,R114,R116,	100-7	50-1515	100	Onn	ı Kes	ıstor	: 5% I/	10 Watt TF,	SMI U8U5

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 055375C2.000
 Revision: C2

 Bill Of Materials
 December 17, 1998
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 Curr Reference
 Part
 SYMAN
 Desc

dbx DDP DIGITAL BOARD 80-5328

Quan Reference Part SYMAN Description

Revised: December 16, 1998

	R117,R118,R119,R120,R132,			
	R133	40 0 10 5	50 4500	40.0.01 1
	R102,R103,R105,R106	49.9 1%-7		49.9 Ohm Resistor 1% 1/10 Watt TF, SMT 0805
	R104	10-7	50-1500	10 Ohm Resistor 5% 1/10 Watt TF, SMT 0805
9	R107,R108,R138,R139,R140,	7.5K-7	50-1521	7.5 KOhm Resistor 5% 1/10 Watt TF, SMT 0805
	R144,R145,R146,R147			
	R110,R111,R125	470K-7	50-1523	470 KOhm Resistor 5% 1/10 Watt TF, SMT 0805
	R121	3.24K 1%-7		3.24 KOhm Resistor 1% 1/10 Watt TF, SMT 0805
	R122,R131	200-7	50-1510	200 Ohm Resistor 5% 1/10 Watt TF, SMT 0805
	R123	10.0K 1%-7		10.0 KOhm Resistor 1% 1/10 Watt TF, SMT 0805
	R124,R128,R151	4.7K-7	50-1509	4.7 KOhm Resistor 5% 1/10 Watt TF, SMT 0805
	R126	220K-7	50-1514	220 KOhm Resistor 5% 1/10 Watt TF, SMT 0805
	R127	27K-7	50-1527	27 KOhm Resistor 5% 1/10 Watt TF, SMT 0805
	R129	330-7	50-1517	330 Ohm Resistor 5% 1/10 Watt TF, SMT 0805
	R135	100K-7	50-1504	100 KOhm Resistor 5% 1/10 Watt TF, SMT 0805
1	R148	62K-7	50-1501	62 KOhm Resistor 5% 1/10 Watt TF, SMT 0805
1	R149	33K-7	50-1512	33 KOhm Resistor 5% 1/10 Watt TF, SMT 0805
1	R150	150K-7	50-1526	150 KOhm Resistor 5% 1/10 Watt TF, SMT 0805
	R152	10K-7	50-1503	10 KOhm Resistor 5% 1/10 Watt TF, SMT 0805
	S27	PLCC/R-32	70-3026	32 PLCC Socket Rectangle, surface mount
2	SR1,SR2	SR280059	28-0059	Screw, 6-32 x 1/4", Pozi, Pan, Black
2	SR3,SR4	SR280058	28-0058	Screw, 6-32 x 3/8", Pozi, Pan, Black
4	TP1,TP2,TP3,TP4	0-R	50-0317	Ohm Resistor 5% 1/4 Watt Carbon Film Radial T&R
1	U12	AK5392-VS	72-1464	AK5392-VS 24 Bit A/D Converter, SMT
1	U13	7805-V	70-4014	7805 +5 Volt 1 Amp Voltage Regulator TO-220 VERT
1	U14	AK4324/SM	72-1426	AK4324 24 Bit Stereo DAC, Surface Mount
1	U15	TMS57070	72-3042	TMS57070 in QFP100 SPECIAL FOOTPRINT, SMT
1	U16	74HC153/SM	72-1430	74HC153 Dual 4-Channel Multiplexer, SMT
1	U17	74HC139/SM	72-5420	Dual 2 Line to 4 Line Decoder/Demultiplexer, SMT
1	U18	74AC04/SM	72-5426	74AC04, Hex Inverter,SMT
1	U19	74HC00/SM	72-5418	Quadruple 2-Input Positive-Nand Gate, SMT
1	U20	74AC138/SM	72-1452	74AC138 3 Line to 8 Line Decoder/Demultiplexer, SMT
1	U21	MC34064P	70-5004	MC34064 Undervoltage Sensing Circuit
1	U22	6N138/SM	70-2146	6N138 Opto-Isolator, SMT
1	U23	128KX8_SRA	72-5417	128K X 8 RAM Static, SMT
1	U26	Z8S180/S	72-4161	CPU Z8S180 Microprocessor, 20MHz, SMT
1	U27	72-1463-00	72-1463-00	W29C020-70 256K X 8 CMOS EEPROM, V1.30 (dbx DDP), SMT
3	U28,U29,U32	74HC574/SM	72-1263	Octal D-Type Edge Triggered Flip-Flops, SMT
	U30,U31	74HC244A/S		Octal Buffer-Line Driver W/3-State Outputs, SMT
	U33	NJM4560/SM		NJM4560 Dual Op-Amp, SMT SOIC
	U34	7805-Н	70-4014	7805 +5 Volt 1 Amp Voltage Regulator TO-220 HORIZ
	U35	7815-Н	70-4123	7815 +15 Volt 1 A Voltage Regulator TO-220 HORIZ
	U36	7915-Н	70-4124	7915 -15 Volt 1 A Voltage Regulator TO-220 HORIZ
	U41	74AC574/SM		Octal D-Type Edge triggered Flip-Flops, SMT 74AC574
	U42	74AC00/SM		Quadruple 2-Input Positive-Nand Gate, SMT 74AC00
	X2	12.288MHZV		12.288 MHZ Crystal, VERT
	X3	20.00MHZ-V		20.00 MHZ Crystal, Vert
	X4	11.2896MHZ		11.2896MHZ Crystal, VERT
1	44.4	11.2020HIIZ	,0 0010	II.2000mid Ciyocai, veki